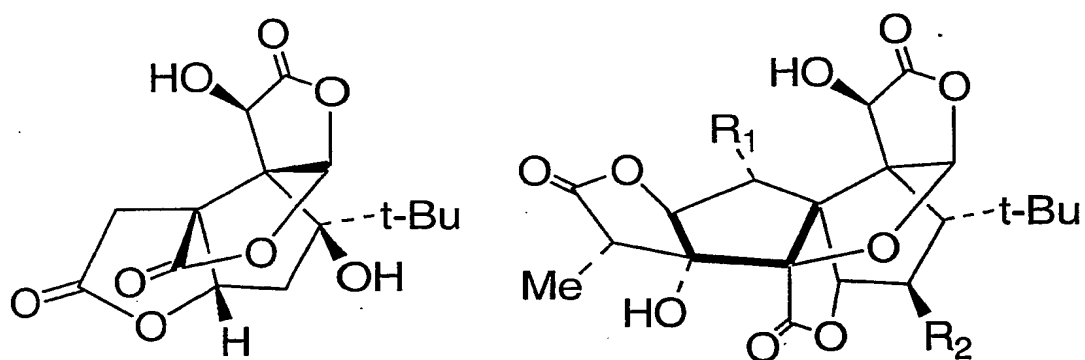


**FIGURE 1****1 bilobalide**

	<u>R<sub>1</sub></u>	<u>R<sub>2</sub></u>
<b>2</b> ginkgolide A (GA)	H	H
<b>3</b> ginkgolide B (GB)	OH	H
<b>4</b> ginkgolide C (GC)	OH	OH
<b>5</b> ginkgolide J (GJ)	H	OH

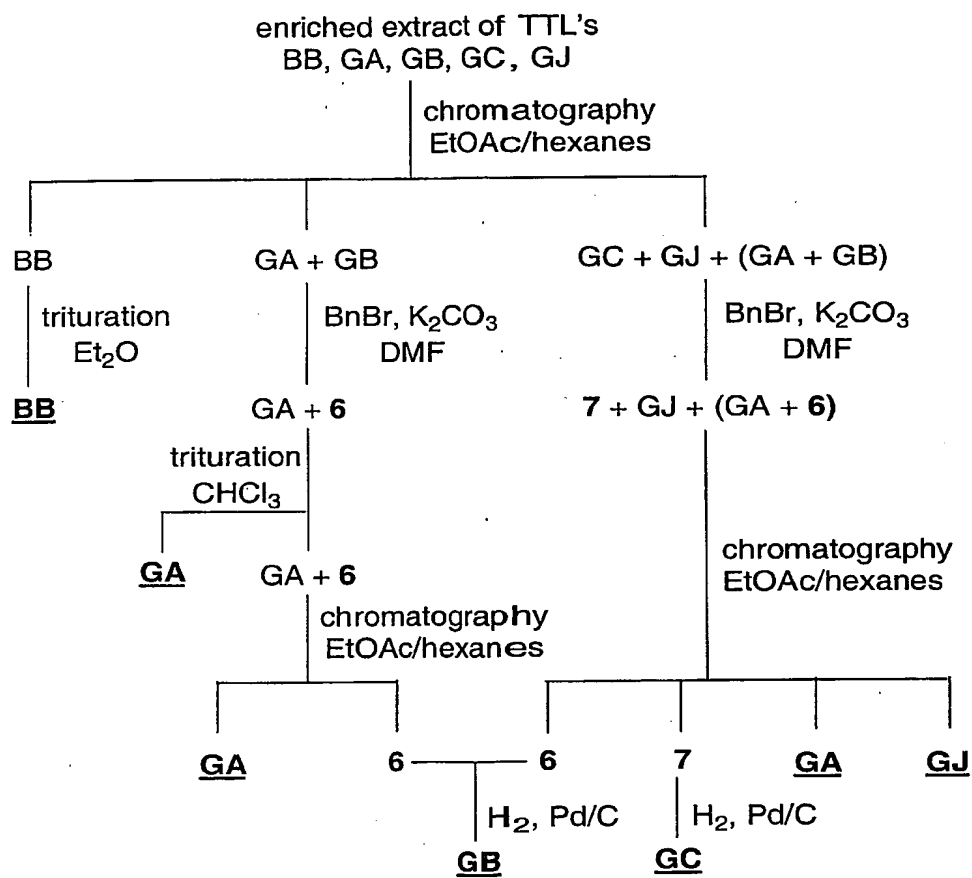
**FIGURE 2**

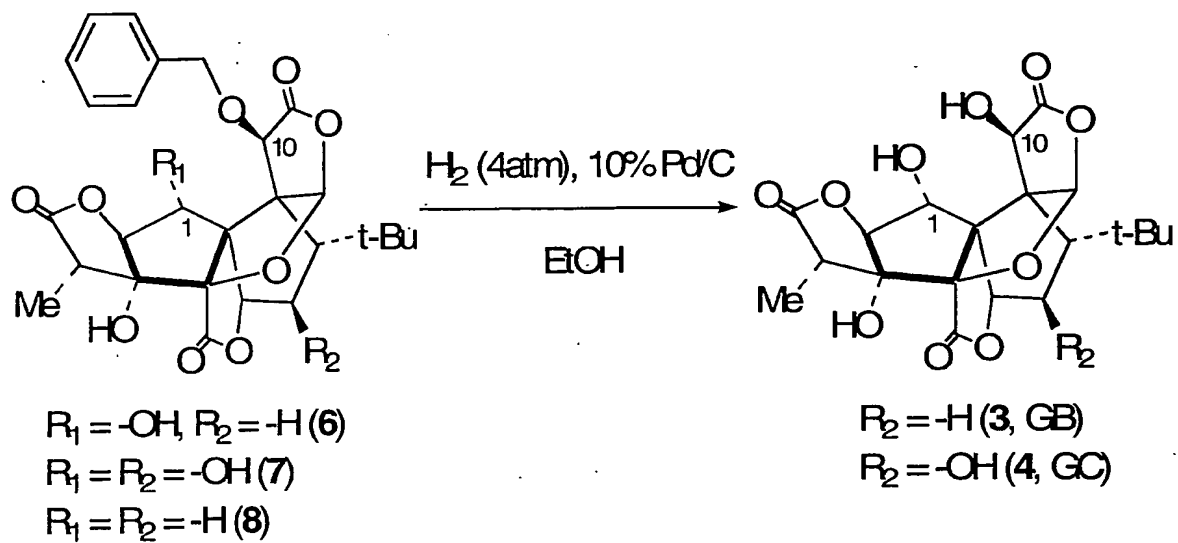
FIGURE 3

Reaction scheme: A complex polycyclic molecule with a *t*-Bu group at position 10 and an R<sub>1</sub> group at position 1 reacts with R-Br and K<sub>2</sub>CO<sub>3</sub> in DMF to form a similar molecule with an R group at position 10 and an R<sub>1</sub> group at position 1.

Reaction conditions:	alkyl halide (10eq.)	K <sub>2</sub> CO <sub>3</sub> (10eq.)	DMF, 0.5 – 10 h, r.t.
R	ratio 10-O/1-O in GC <sup>a</sup>	separation of the mixture <sup>b</sup>	deprotection method
benzyloxymethyl-	1.4 : 1 <sup>c</sup>	+	H <sub>2</sub> , Pd/C, 1 atm
benzyl-	14 : 1	++	H <sub>2</sub> , Pd/C, 4 atm
p-MeO-benzyl-	20 : 1	--	CAN or H <sub>2</sub> , Pd/C, 1 atm
allyl-	5 : 1	--	1) <i>t</i> -BuOK, 100°C; 2) 0.1 N-HCl, reflux
cinnamyl-	5 : 1	--	1) <i>t</i> -BuOK, 100°C; 2) 0.1 N-HCl, reflux

<sup>a</sup> ratios for GB were similar or better;<sup>b</sup> + = good, - = bad;<sup>c</sup> (Corey, 1992)

FIGURE 4



Compound 8 - no reaction.

FIGURE 5

